
North America's Leader in Hazardous Material Information Management
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MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Rectorseal Corporation
Product Name: Rectorseal Uniflux (DISCONTINUED)

MATERIAL SAFETY DATA SHEET- RECTORSEAL® UNIFLUX™

MSDS0016

Ver. No.1

Ver. Date December 16, 1992

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME:** RectorSeal® Uniflux™**CHEMICAL FAMILY:** Organic/Inorganic**USE:** Soft Soldering Flux**MANUFACTURE / SUPPLIER**

The RectorSeal Corporation

2601 Spenwick

Houston, Texas 77055 USA

EMERGENCY TELEPHONE NUMBERS:

Chemtrec 24 hours: (800) 424-9300

The RectorSeal Corporation: (713) 263-8001

NON EMERGENCY TELEPHONE NUMBERS:

Technical Service: (800) 231-3345

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	APPROX		OSHA PEL	ACGIH TLV	OTHER LIMITS	HMIS	NFPA
		%						
Zinc Chloride	7646-85-7	<40		1 mg/m ³	1 mg/m ³	2 mg/m ³ STEL	N/D	N/D
Petroleum Distillates	84741-44-2	-		N/D	N/D	N/D	N/D	N/D
Petrolatum	8009-03-8	-		N/D	N/D	N/D	N/D	N/D

SECTION 3 HAZARDS IDENTIFICATION**SUMMARY OF ACUTE HAZARDS** Irritation to respiratory system from fumes evolved during soldering.
Eye contact may cause intense irritation and injury.**ROUTE OF EXPOSURE****INHALATION:****EYE CONTACT:****SKIN CONTACT:****INGESTION:****SIGNS AND SYMPTOMS**

Irritation to respiratory system from fumes evolved during soldering.

Contact may cause intense irritation and injury.

May cause skin irritation.

Chemical burns to digestive system and mucosal surface. May be fatal.

PRIMARY**ROUTE(S)**

Yes

Yes

Yes

No

SUMMARY OF CHRONIC HAZARDS: Short term effects to liver and kidneys can occur. Chemical irritation from continued skin contact can occur. Continuous industrial use in small unventilated areas may result in sufficient inhalation of solder and flux fumes to cause lung damage and irritation of respiratory tract.**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.**SECTION 4 FIRST AID MEASURES****INHALATION:** If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
EYE CONTACT: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.
SKIN CONTACT: Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing.
INGESTION: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.**SECTION 5 FIRE FIGHTING MEASURES****FLASH POINT:** >260°F (110°C) **FLAMMABILITY LIMITS:** LEL: N/A UEL: N/A**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide or water fog.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained full face piece breathing apparatus and other protective clothing. Hazardous decomposition products possible (see Section 10). May release ZnO and HCl fumes.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Heat may build up pressure and rupture closed containers.**SECTION 6 ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.**SECTION 7 STORAGE AND HANDLING****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep container closed and upright when not in use. Store flux at ambient conditions, keep under extremely dry and controlled conditions. Wash thoroughly after handling to remove all residue.**OTHER PRECAUTIONS:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all products precautions. Do not breathe soldering fumes. Do not reuse empty containers. Keep out of reach of children.**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION****RESPIRATORY PROTECTION (SPECIFY TYPE):** In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during soldering operations until fumes have dissipated.**VENTILATION - LOCAL EXHAUST:** Maintain air flow away from user to exhaust soldering fumes and vapors.**MECHANICAL (GENERAL):** Acceptable

Special: N/A

OTHER: N/A

PROTECTIVE GLOVES: Wear non-permeable gloves**EYE PROTECTION:** Chemical splash goggles (ANSI Z-87.1 or equivalent)

MATERIAL SAFETY DATA SHEET- RECTORSEAL® UNIFLUX™

MSDS0016

Ver. No.1

Ver. Date December 15, 1998

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont'd)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full protective equipment normally used in soldering operation so as to prevent any contact. Review operations to avoid contact with the hazardous gas, liquids or solids.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**BOILING POINT:** 212°F (100°C) @ 760mm Hg**VAPOR PRESSURE (mm Hg):** < 0.01 @ 68°F (20°C)**VAPOR DENSITY (AIR = 1):** >1**SOLUBILITY IN WATER:** Very Slight**SPECIFIC GRAVITY (H₂O = 1):** 1.18**MELTING POINT:** 125°F (52°C)**EVAPORATION RATE (ETHYL ACETATE = 1):** <0.01**APPEARANCE/ODOR:** Olive Paste/ Mild Odor**SECTION 10 STABILITY AND REACTIVITY****STABILITY:** Stable**CONDITIONS TO AVOID:** N/D**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids and bases.**HAZARDOUS DECOMPOSITION PRODUCTS:** Ethylene Oxide, HCl, ZnO and NOx may be evolved during soldering.**HAZARDOUS POLYMERIZATION:** Will not occur.**SECTION 11 TOXICOLOGY INFORMATION****CARCINOGENICITY:** NTP: No**IARC MONOGRAPHS:** No**OSHA REGULATED:** No**SUBSTANCE****CAS NO.****LD50****LC50**

Zinc Chloride

7848-85-7

Oral-Rat LD50:350 mg/kg

Inhalation-Rat LCLo:1980 mg/m³/10M

Petroleum Distillates

84741-44-2

Oral-Rat LD:>5 g/kg

Inhalation-Rat LC50:1700 mg/m³/4H

Petrolatum

8009-03-8

N/D

N/D

SECTION 12 ECOLOGICAL INFORMATION**SUBSTANCE****FOOD CHAIN****CON POTENTIAL****WATERFOWL TOXICITY****BOD****AQUATIC TOXICITY**

Zinc Chloride

None

N/A

None

7.2 ppm/98 hr/medium bluegill/TLm

Petroleum Distillates

N/D

N/D

N/D

N/D

Petrolatum

N/D

N/D

N/D

N/D

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of material in accordance with all local, state and federal regulations.

SECTION 14 TRANSPORTATION INFORMATION**DOT:** Non-Regulated**OCEAN (IMDG):** Non-Regulated**AIR (IATA):** Non-Regulated**WHMIS (CANADA):** Non-Regulated**SECTION 15 REGULATORY INFORMATION****SUBSTANCE****SARA 313****TSCA INVENTORY****CERCLA RQ****RCRA CODE**

Zinc Chloride

Yes

Yes

1,000 lb.

N/A

Petroleum Distillates

No

Yes

N/A

N/A

Petrolatum

No

No

N/A

N/A

SECTION 16 OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazardous Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, express or implied is made. Consult The RectorSeal Corporation for further information: (713) 263-8001